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Approved for use through 09/30/00. OMB 0651-0032
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

UIILLI	rittorney Docket No.	1230-00721	1 Ottar Lages		
PATENT APPLICATION	First Named Inventor or Application Identifie				
	Hector F. DeLuca				
new nonprovisional applications under 37 CFR 1.53(b)	Express Mail Label No.	EL66105114	9US		
ADDITION DI EMENTO	ADDRESS TO: O		44-		

(Only for new nonprovisional applications under 37 CFR 1.53(b) Ex	press Mail Label No. EL661051149US			
APPLICATION ELEMENTS See MPEP chapter 600 concerning utility patent application contents	ADDRESS TO: Commissioner for Patents Box Patent Application Washington, D.C. 20231			
Fee Transmittal Form (Submit on a giginal and a dualicate for fee processing)	6. ☐ Microfiche Computer Program (Appendix)			
(Submit an original, and a duplicate for fee processing) 2. Total Pages 20 1	 Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary) a. Computer Readable Copy 			
(preferred arrangement set forth below)	a. □ Computer Readable Copy b. □ Paper Copy (identical to computer copy)			
- Descriptive title of the Invention	c. Statement verifying identify of above copies			
- Cross References to Related Applications	ACCOMPANYING APPLICATION PARTS			
Statement Regarding Fed sponsored R & D Reference to Microfiche Appendix	8. Assignment Papers (cover sheet & document(s))			
Background of the Invention Brief Summary of the Invention	9. ☐ 37 CFR 3.73(b) Statement ☐ Power of Attorney (when there is an assignee)			
 Brief Description of the Drawings (if filed) 	(Willest allest 2 and assignate)			
- Detailed Description - Claim(s)	10.			
- Abstract of the Disclosure 3. Drawing(s) (35 USC 113) [Total Sheets]	11. ☐ Information Disclosure Statement (IDS)/PTO-1449 ☐ Copies of IDS Citations			
4. Oath or Declaration [Total Pages]	12. □ Preliminary Amendment			
a. □ Newly executed (original or copy) b. □ Copy from a prior application (37 CFR 1.63(d) (for continuation/divisional with Box 17 completed)	I3. Return Receipt Postcard (MPEP 503) (Should be specifically itemized)			
 [Note Box 5 below] i. DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior 	14. ☐ Small Entity ☐ Statement filed in prior Statement(s) application, Status still proper and desired			
application, see 37 CFR 1.63(d)(2) and 1.33(b).	15. Certified Copy of Priority Document(s) (if foreign priority is claimed)			
 Incorporation By Reference (useable if Box 4b is checked). The entire disclosure of the prior 	16. 図 Other: Supplement to Transmittal			
application, from which a copy of the oath or declaration is supplied under Box 4b, is considere	d			
as being part of the disclosure of the accompanying application and is hereby				
incorporated by reference therein. 17. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information:				
□ Continuation □ Divisional □ Continuation-in-part (CIP) of prior application No.: /				
18. CORRESPONDENCE ADDRESS				
□ Customer Number or Bar Code Label Insert Customer No. or Attach bar code label here below.				
NAME Thomas M. Wozny (Reg. No. 28,922)				
ANDRUS, SCEALES, STARKE & SAWALL, LLP				
ADDRESS 100 East Wisconsin Avenue Suite 1100				
	FATE Wisconsin ZIP CODE 53202-4178			
COUNTRY U.S.A. TELEPH				
Page 1 of 2				

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P10/SB/1/	_				COMPLETE IF KNOWN	
	Appli	cation Nu	mber			
FEE TRANSMITTAL	Filing Date I		Herein			
	First N	Named Inv	ventor	_	Hector F. DeLuca	
	Group	Art Unit			Acctor 1. Benuea	
	Exam	iner Name	е -			
Total Amount of Payment (\$) 710.00	Attorr	ey Docke	t Numb	er	1256-00721	
METHOD OF PAYMENT (check one)	-			FF	EE CALCULATION (continued)	
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charge indicated fees and credit any over		Entity	Small			
payments to:	Fee	Fee	Fee	Fee		
Deposit Account 01 2000	Code	(\$)	Code	(\$)	Fee Description	Fee Paid
Number 01.2000	105	130	205	65	Surcharge - late filing fee or oath	
Deposit Account	127	50	227		Surcharge - late provisional filing fee	. —
ANDRUS, SCEALES, STARKE & SAWALL, LLP	139				or cover sheet	
X Charge any addition- al fee required under Set in 37 CFR 1 18	147	130 2,520	139 147		Non-English specification For filing a request for examination	
at fee required under 37 CFR 1.16 and 1.17 set in 37 CFR 1.18 at the Mailing of	112	920*	112		Requesting publication of SIR prior t	10
the Notice of					Examiner action	
Allowance. 37 CFR 1.311(b)	113				Requesting publication of SIR after Examiner action	
2. X Payment Enclosed:	115	110	215		I xtension for response within first month	
X Check Order Other	116	380	216		I xtension for response within second month	
FEE CALCULATION (fees effective 10/01/96)	117	870	217		I xtension for response within third month	
I. FILING FEE Large Entity Small Entity Fee Fee	118	1,360	218		I xtension for response within fourth	
Large Entity Small Entity Fee Fee Fee Fee Description Paid	128	1,850	228	925	month Extension for response within fifth	
Code (\$) Code (\$)	119	300	218	150	month Notice of Appeal	
101 710 201 355 Litility filing fee \$710.00	120	300	220	150	Filing a brief in support of an appeal	
106 320 206 160 Design filing fee	121	260 1,510	221		Request for oral hearing	
107 490 207 245 Plant filing fee	138	1,510	138	1,510	Petition to institute a public use proceeding	
108 710 208 355 Reissue filing fee 114 150 214 75 Provisional filing	140	110	240	55	Petition to revive unavoidably	-
fee	141	1.210		605	abandoned application	***
SUBTOTAL (1) In Tio Op	141	1,210	241	605	Petition to revive unintentionally abandoned application	-
SUBTOTAL (1) (\$) 710.00	142	1,240	242		Utility issue fee (or reissue)	
2. CLAIMS Fee From Fee Paid below	143	440	243		Design issue fee	
Total claims	144 122	580 130	244 122		Plant issue fee Petitions to the Commissioner	
Independent 1 - 3 = (13) X =	123	50	123		Petitions related to provisional	
Claims					applications	
Multiple Dependent X =	126 591	240	126		Submission of Information Disclos. S	
Large Entity Small Entity Fee	391	40	591	40	Recording each patent assignment pe property (times number of propert	r ies)
Fee Fee Fee Description	146	710	246	355	Filing a submission after final rejection	
Code (\$) Code (\$)	149	710	249	355	(37 CFR 1.29(a)) f or each additional invention to be	
103 18 203 9 Claims in excess of 20		,,,,	247	555	examined (37 CFR 1.129(b))	
102 80 202 40 Independent claims in excess of 3						-
104 270 204 135 Multiple dependent claim 109 80 209 40 Reissue independent	Othe	r fee (spe	ecify)	_		1
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patent 110 18 210 9 Reissue claims in excess		luced by		iling F	ee Paid	
of 20 and over original patent	SUBTOTAL (3)					
SUBTOTAL (2) (\$)						0
SUBMITTED BY					Complete (if app	olicable)
Typed or Printed Name Thomas M. Wozny					Registration Number	28,922
Signature Monas M. Moyn	7 D	ate	3-23	-01	Deposit Account User ID	

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of:	 CERTIFICATE OF EXPRESS MAILING I hereby certify that this correspondence is
Hector F. DeLuca Neal A. Jorgenson) being deposited with the United States Postal
Larry D. Satter	 Service with sufficient postage as EXPRESS MAIL in an envelope addressed to:
Filed Herein for:) Commissioner of Patents Washington, D.C.) 20231 on this 23rd day of March, 2001. The) Express Mail Label is EL661051149US.
INCREASING PHOSPHORUS UPTAKE FROM THE GUT OF DAIRY COWS BY) iliah alkana
SUPPLEMENTING 1α-HYDROXYLATED VITAMIN D) Dorothy A. Hauser Date
COMPOUNDS	ý .

SUPPLEMENT TO TRANSMITTAL LETTER

Box: Patent Application Commissioner of Patents Washington, DC 20231 Sir:

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This application is being filed pursuant to 35 USC §111 and 37 C.F.R. §1.53(b). The application includes the specification, at least one claim, and the filing fee. The Declaration is not included. The inventors are Hector F. DeLuca residing at 1809 Highway BB, Deerfield, Wisconsin 53531, Neal A. Jorgenson residing at 5979 Woodcreek Lane, Middleton, Wisconsin 53562 and Larry D. Satter residing at 2917 Pelham Road, Madison, Wisconsin 53713, all of which are United States citizens.

The Declaration will be forwarded promptly upon notification from the U.S. Patent and Trademark Office.

Please address all correspondence and telephone calls regarding this matter to:

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ANDRUS, SCEALES, STARKE & SAWALL, LLP
100 East Wisconsin Avenue, Suite 1100
Milwaukee, Wisconsin 53202
(414) 271-7590

Respectfully submitted,

ANDRUS, SCEALES, STARKE & SAWALL, LLP

Thomas M. Wozny

Reg. No. 28,922

Andrus, Sceales, Starke & Sawall, LLP 100 East Wisconsin Avenue, Suite 1100 Milwaukee, WI 53202 (414) 271-7590 Attorney Docket No.: 1256-00721